

Message

From: Cosler, Doug [Doug.Cosler@TechLawInc.com]
Sent: 6/14/2017 5:14:16 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Dan Pope [DPope@css-inc.com]; 'Jennings, Eleanor' [Eleanor.Jennings@parsons.com]; Bo [bo@praxis-enviro.com]; Steve Willis [steve@uxopro.com]
CC: Davis, Eva [Davis.Eva@epa.gov]; Brasaemle, Karla [Karla.Brasaemle@TechLawInc.com]; Wayne Miller [Miller.Wayne@azdeq.gov]
Subject: RE: Suggested text for Checklist, Version 9
Attachments: Checklist v9-DFP-DJC.xlsx

Attached are my comment/edits in blue, added to Dan's version.

Doug

From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]
Sent: Wednesday, June 14, 2017 1:01 PM
To: Dan Pope <DPope@css-inc.com>; Cosler, Doug <Doug.Cosler@TechLawInc.com>; 'Jennings, Eleanor' <Eleanor.Jennings@parsons.com>; Bo <bo@praxis-enviro.com>; Steve Willis <steve@uxopro.com>
Cc: Davis, Eva <Davis.Eva@epa.gov>; Brasaemle, Karla <Karla.Brasaemle@TechLawInc.com>; Wayne Miller <Miller.Wayne@azdeq.gov>
Subject: RE: Suggested text for Checklist, Version 9

Don't think its helpful to say things in writing we don't actually believe, that can be later turned against us. More succinct is better. E.g: "the modeling effort did not account for....."

Carolyn d'Almeida
Remedial Project Manager
Federal Facilities Branch (SFD 8-1)
US EPA Region 9
(415) 972-3150

"Because a waste is a terrible thing to mind..."

From: Dan Pope [mailto:DPope@css-inc.com]
Sent: Wednesday, June 14, 2017 8:37 AM
To: Cosler, Doug <Doug.Cosler@TechLawInc.com>; 'Jennings, Eleanor' <Eleanor.Jennings@parsons.com>; Bo <bo@praxis-enviro.com>; d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Steve Willis <steve@uxopro.com>
Cc: Davis, Eva <Davis.Eva@epa.gov>; Brasaemle, Karla <Karla.Brasaemle@TechLawInc.com>; Wayne Miller <Miller.Wayne@azdeq.gov>
Subject: Suggested text for Checklist, Version 9

This suggested text is long... maybe needs to be tightened up a bit.

The EBR modeling efforts conducted by the AF, while perhaps useful from an operational standpoint, do not provide a sufficiently extensive and detailed evaluation of important factors determining the efficacy and rate of COC biodegradation, and depletion of COCs from the LNAPL source materials. For instance, the AF EBR modeling efforts assume instantaneous mass transfer of COCs from the LNAPL to groundwater, which likely significantly over-estimates actual rates of transfer of COCs, therefore leading to over-estimates of rates of COC depletion from the LNAPL. In addition, the AF EBR modeling efforts assumed site-wide uniformity of critical parameters (such as porosity). AF did not provide sensitivity analyses for evaluating the effect of these assumptions on

remedial efficacy and timeframe scenarios. Therefore, the Regulatory Team has performed a detailed and extensive analysis and modeling effort to better capture the variability of physical, chemical and biological conditions across the site, and to show the range and likelihood of possible remedial efficacy and timeframe outcomes of ERB and MNA [ST12 Joint agency EBR model cover letter.pdf; TOR Estimates_ST012_052217.pdf; BIONAPL_Box_Model_revised_04-27-2017_UWBZ.xls].

“while perhaps useful from an operational standpoint”

I included this text to soften the statements relative to the AF modeling efforts, and to refer to AMEC’s contention that their model is good for adjusting the operation of the EBR system. This statement may not be needed.

From: Cosler, Doug [<mailto:Doug.Cosler@TechLawInc.com>]
Sent: Wednesday, June 14, 2017 10:29 AM
To: 'Jennings, Eleanor'; Dan Pope; Bo; d'Almeida, Carolyn K.; Steve Willis
Cc: Davis, Eva; Brasaemle, Karla; Wayne Miller
Subject: RE: Checklist, Version 9

I’ll add what I can starting at noon today (should take less than an hour), and then send back out for others.

Doug

From: Jennings, Eleanor [<mailto:Eleanor.Jennings@parsons.com>]
Sent: Wednesday, June 14, 2017 11:03 AM
To: Dan Pope <DPope@css-inc.com>; Bo <bo@praxis-enviro.com>; d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Steve Willis <steve@uxopro.com>
Cc: Davis, Eva <Davis.Eva@epa.gov>; Brasaemle, Karla <Karla.Brasaemle@TechLawInc.com>; Cosler, Doug <Doug.Cosler@TechLawInc.com>; Wayne Miller <Miller.Wayne@azdeq.gov>
Subject: Checklist, Version 9

I have integrated the comments from yesterday’s conference call.

Items highlighted in bright yellow are those where we’re just trying to resolve the final verbiage.

A sincere thank-you to all, for your thoughts, suggestions, inputs, efforts (especially those on the modeling sections and associated figures, Bo and Doug!), and assistance. What we have not only clearly outlines a valid workplan and our expectations to the USAF, but it also is a tool for us to use when monitoring progress. MANY thanks again,
-Eleanor

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"Safety Isn't Expensive. It's Priceless."